CLAIMS

1/ A method of taking account of traffic processing capacity for the purpose of traffic load control in a mobile radio network, wherein account is taken of one or more limits in said processing capacity corresponding to one or more parameters representative of said traffic load.

2/ A method according to claim 1, wherein one of said parameters is associated with the number of radio links that can be established, and a corresponding limit is represented by a maximum number of radio links that can be established.

3/ A method according to claim 2, wherein said maximum number of radio links is a maximum number of radio links that can be established in macrodiversity.

4/ A method according to claim 2, wherein said maximum number of radio links is a maximum number of radio links that can be established in transmission diversity.

5/ A method according to claim 2, wherein said maximum number of radio links is represented by a maximum number of radio resources that can be allocated.

6/ A method according to claim 1, wherein one of said parameters is associated with data rate for established radio links, and a corresponding limit is represented by a maximum data rate for the established radio links.

7/ A method according to claim 6, wherein said maximum data rate is a maximum data rate in the up direction.

8/ A method according to claim 6, wherein said maximum data rate is a maximum data rate in the down direction.

9/ A method according to claim 6, wherein said maximum data rate is a maximum data rate for a first type of traffic, for which a first type of error correcting code is used.

10/ A method according to claim 6, wherein said maximum data rate is a maximum data rate for a second type of traffic, for which a second type of error correcting code is used.

11/ A method according to claim 9, wherein a first type of error correcting code is a turbo-code.

12/ A method according to claim 10, wherein a second type of error correcting code is a convolutional code.

13/ A method according to claim 6, wherein said data rate is a net data rate.

14/ A method according to claim 1, wherein said limits are considered on a per cell or a per base station basis.

15/ A method according to claim 1, wherein said limits are considered per physical channel.

16/ A method according to claim 1, wherein said limits are considered per type of physical channel.

17/ A method according to claim 16, wherein one type of physical channel is a dedicated physical channel.

18/ A method according to claim 16, wherein one type of physical channel is a common physical channel.

19/ A mobile radio network, including means for implementing a method according to claim 1.

20/ A base station for a mobile radio network, the station including means for implementing a method according to claim 1.

21/ A base station according to claim 20, wherein said means comprise means for signaling one or more limits in its processing capacity to a base station controller that controls it, said limits corresponding to one or more parameters representative of traffic load.

22/ A base station controller for a mobile radio network, the controller including means for implementing a method according to claim 1.

23/ A base station controller according to claim 22, wherein said means include means for verifying whether one or more limits in the processing capacity of a base station under its control and corresponding to one or more parameters representative of traffic load has been reached.